

## **ABSTRACT OF THE DISCLOSURE**

## INFINIBAND ISOLATION BRIDGE MERGED WITH ARCHITECTURE OF AN INFINIBAND TRANSLATION BRIDGE

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A method and system for facilitating communication between computer subnets are provided. One embodiment of the present invention comprises presetting buffers in an internal subnet, wherein the buffers help route external commands to a plurality of devices within the internal subnet. When a command from an external subnet is received by the internal subnet, the command is translated and sent to the proper internal device, as determined by the buffers. The command is then performed by the proper internal device. In another embodiment of the present invention, translation mapping are established for the internal subnet. When a command is received from an external subnet, the destination address associated with the command is translated to the address of the appropriate internal device, and the command is then sent directly to the internal device, which performs the command. By using either the buffer or translation mappings, the internal subnet appears to be a single device to the external subnet.

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